T0827 "9129007

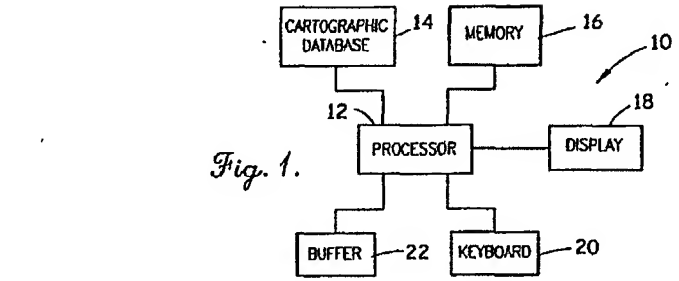


Fig. 1.

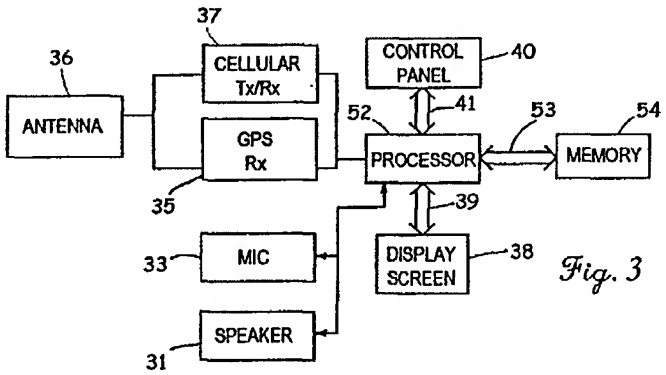


Fig. 3

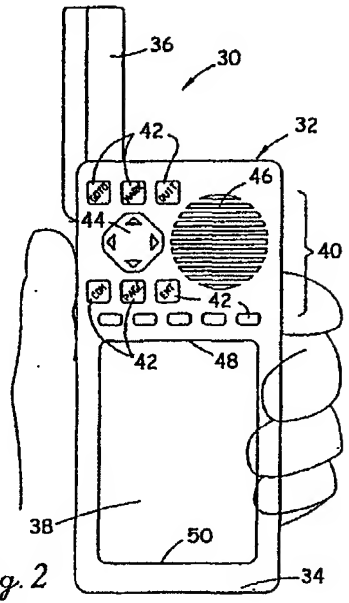


Fig. 2

T08227 9T29E00T

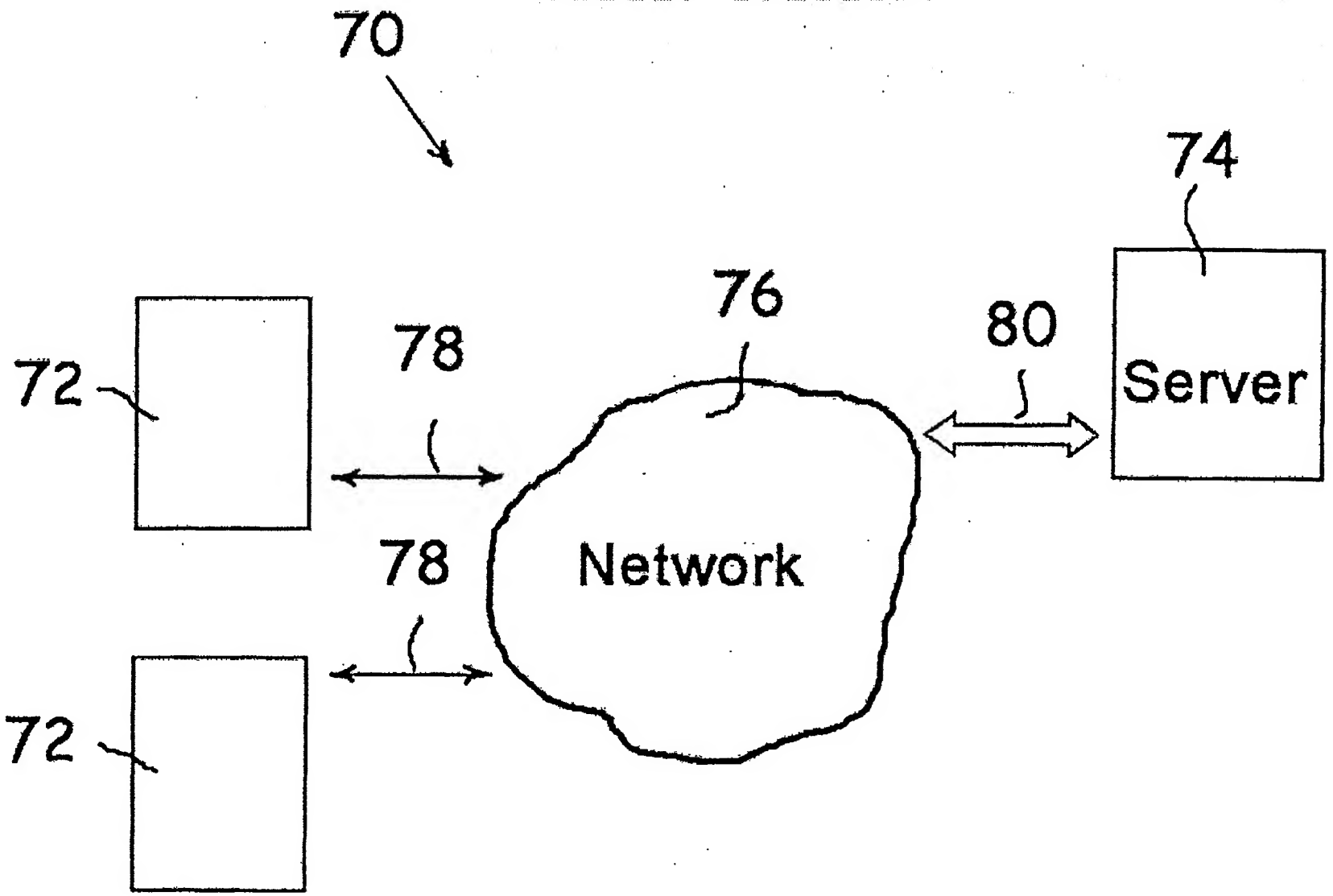


Fig. 4

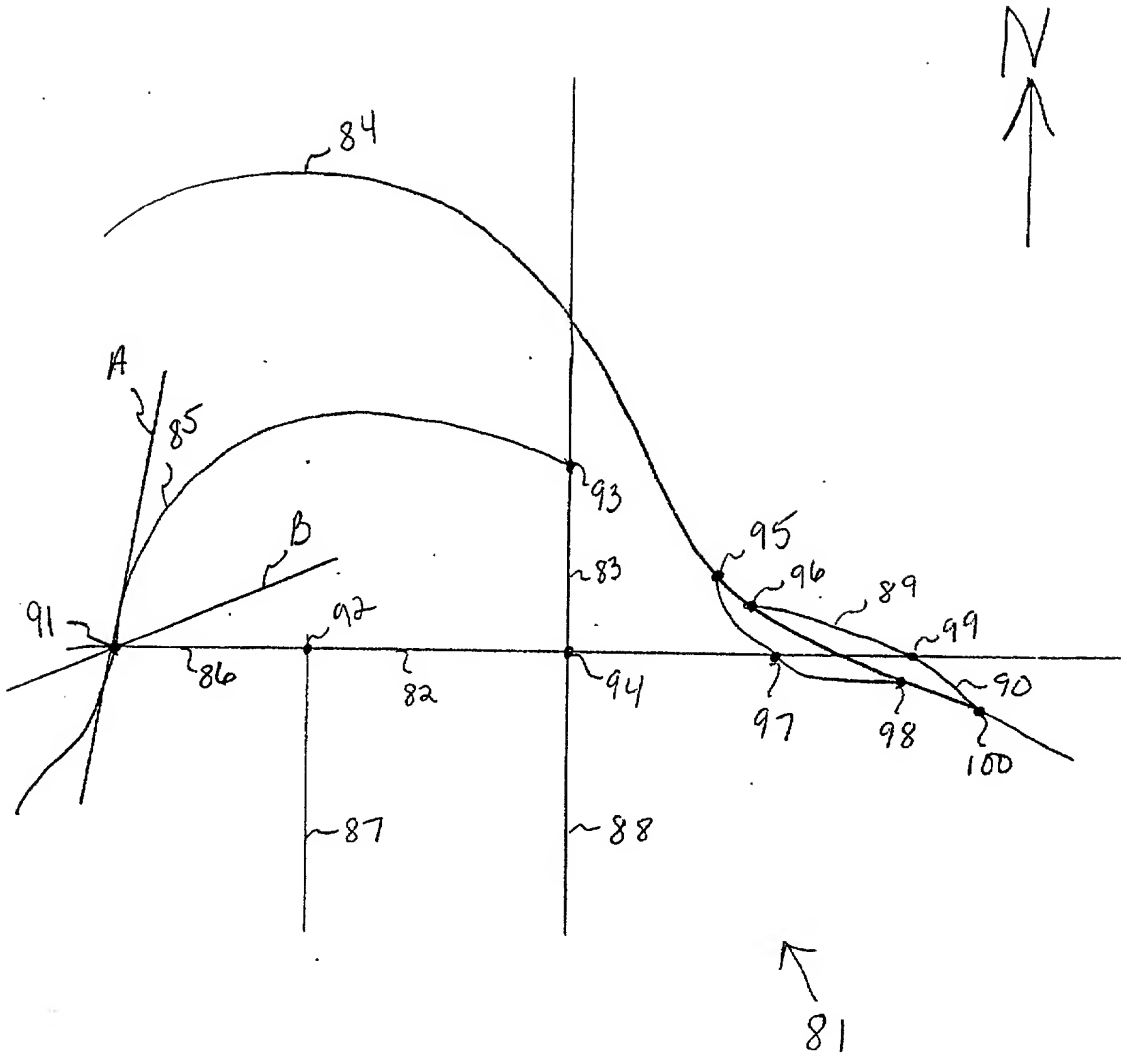


Fig. 5

Fig. 6

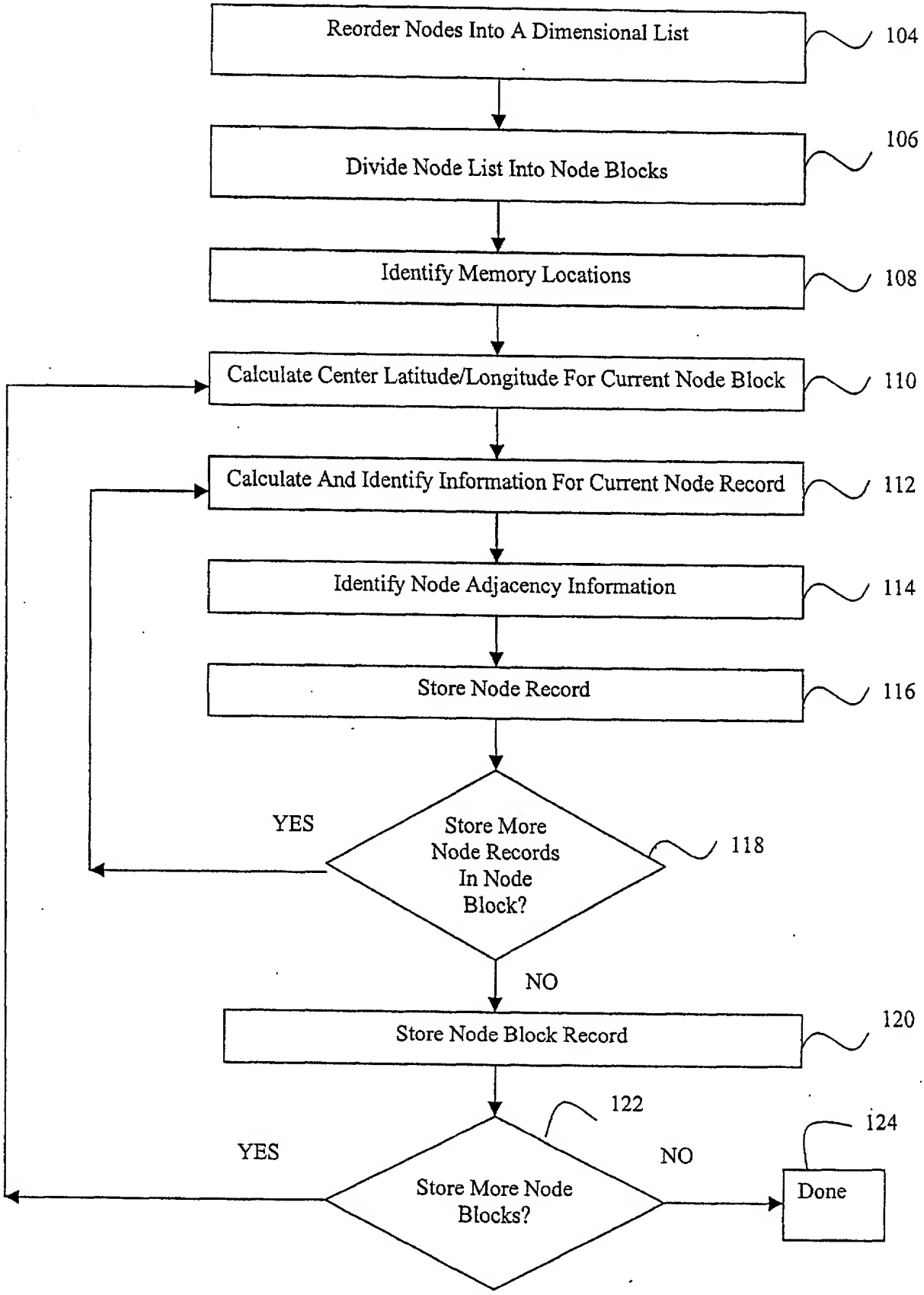

Reorder Nodes Into A Dimensional List
104
Divide Node List Into Node Blocks
106
Identify Memory Locations
108
Calculate Center Latitude/Longitude For Current Node Block
110
Calculate And Identify Information For Current Node Record
112
Identify Node Adjacency Information
114
Store Node Record
116
YES
Store More Node Records In Node Block?
118
NO
Store Node Block Record
120
122
YES
Store More Node Blocks?
NO
124
Done

Fig. 7

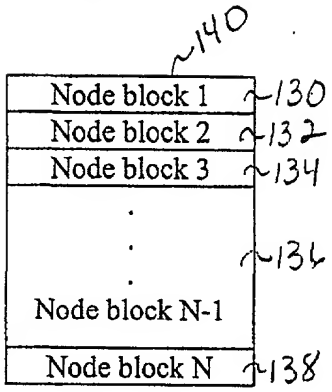
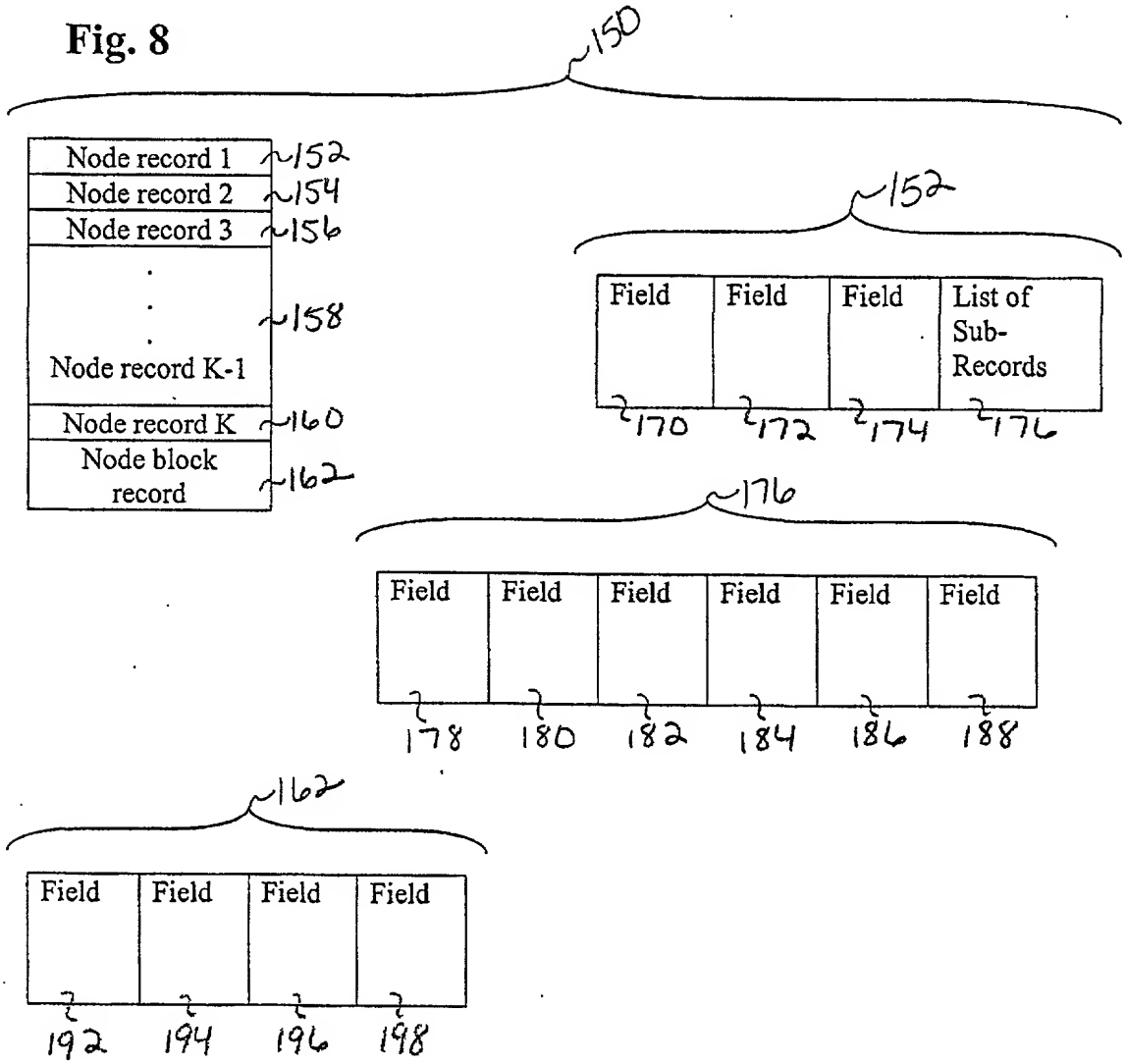

140
Node block 1
130
Node block 2
132
Node block 3
134
136
Node block N-1
Node block N
138

Fig. 8


150
Node record 1
152
Node record 2
154
Node record 3
156
158
Node record K-1
Node record K
160
Node block record
162
152
Field
Field
Field
List of Sub-Records
170
172
174
176
176
Field
Field
Field
Field
Field
Field
178
180
182
184
186
188
162
Field
Field
Field
Field
192
194
196
198

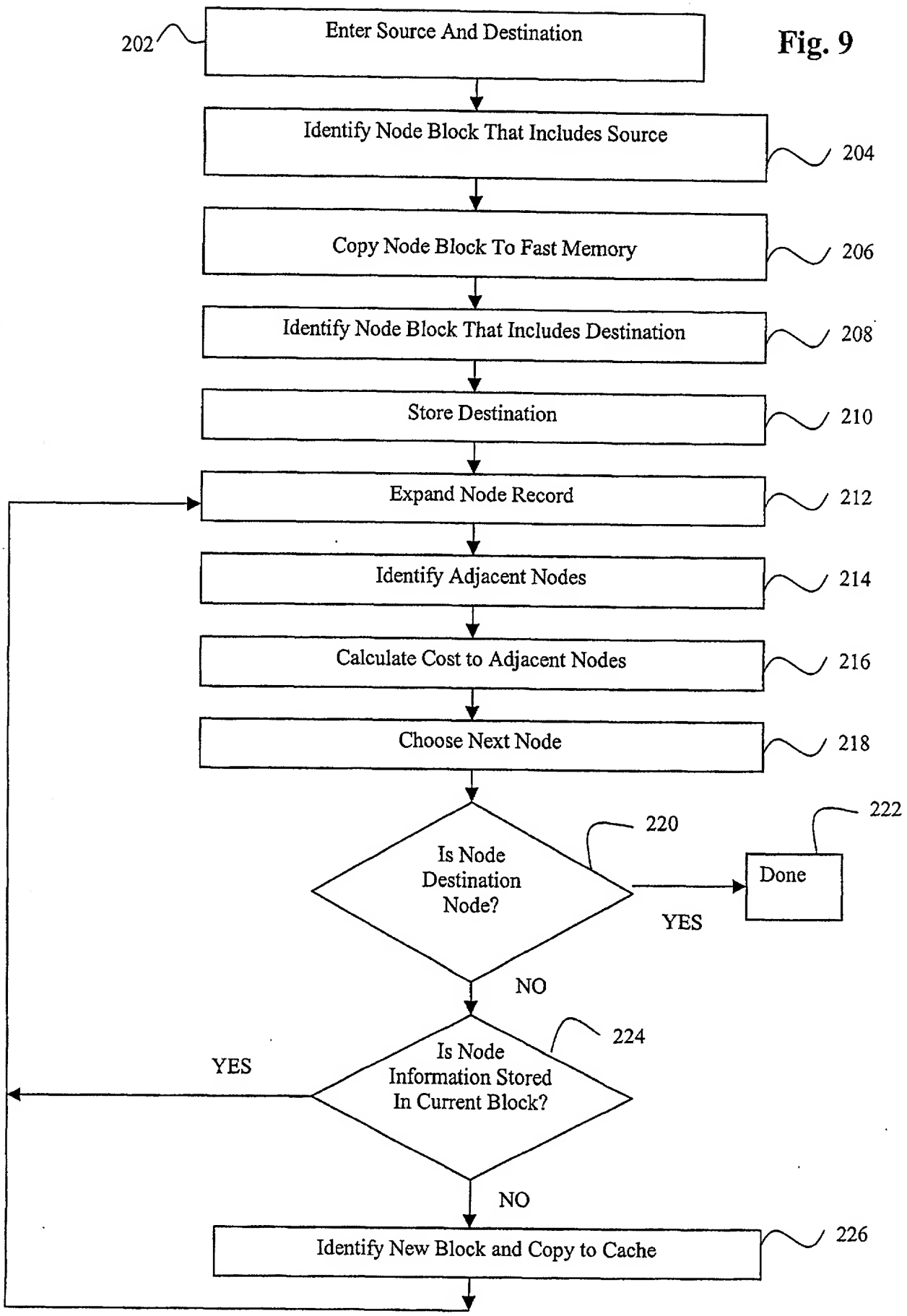

202
Enter Source And Destination
Identify Node Block That Includes Source
204
Copy Node Block To Fast Memory
206
Identify Node Block That Includes Destination
208
Store Destination
210
Expand Node Record
212
Identify Adjacent Nodes
214
Calculate Cost to Adjacent Nodes
216
Choose Next Node
218
220
Is Node Destination Node?
YES
222
Done
NO
224
Is Node Information Stored In Current Block?
YES
NO
Identify New Block and Copy to Cache
226

Fig. 9